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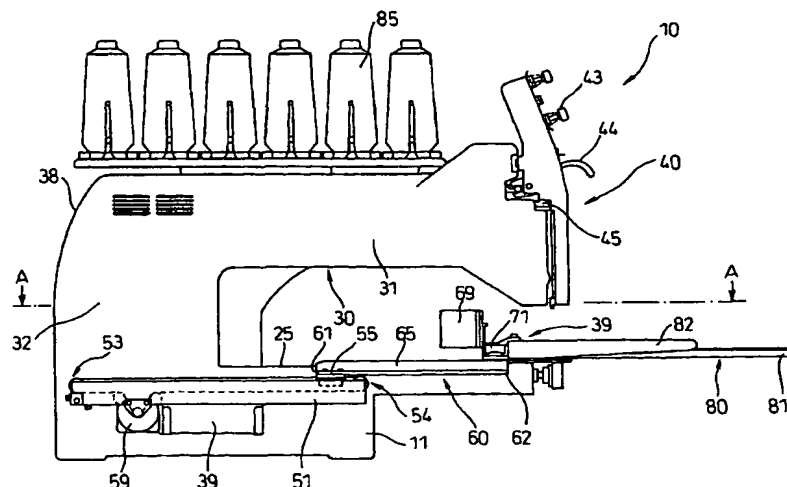
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(54) Title: SEWING MACHINE



(57) Abstract: A sewing machine comprises an arm including a vertical portion and a horizontal portion having at least one sewing needle mounted thereon, a bed extending in parallel to the horizontal portion under the horizontal portion of the arm, two first rails extending in parallel to the bed in the neighborhood of the side portion of the vertical portion of the arm, first carriages adapted to slide on the first rails, respectively, and a second rail connected to the first carriages and perpendicular to the first rails, wherein the distance between the two first rails is shorter than or equal to the length of the second rail, the sewing machine further comprising a second carriage adapted to slide on the second rail, and an embroidery frame unit mounted on the second carriage on the side portion of the second rail located far from the vertical portion of the arm, wherein the first carriages are located on one side of the second rail, and the embroidery frame unit is located on the other side of the second rail. The sewing machine is thus capable of embroidery without being limited by the distance between the rails.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 692 449 A (MEIER WILLI) 2 December 1997 (1997-12-02) column 2, line 43 -column 3, line 40; figures 1-3	1
A	US 5 005 501 A (KITA FUJIO) 9 April 1991 (1991-04-09) column 2, line 59 -column 3, line 29; figures 1,2,6,7	1,8
A	US 4 280 420 A (HAMAJIMA SHIGEMITSU ET AL) 28 July 1981 (1981-07-28) column 2, line 65 -column 4, line 47; figures 1,3	1,8

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 067 262 A (MARUZEN SEWING MACHINE) 22 December 1982 (1982-12-22) page 14, line 14 -page 18, line 5; figures 1,2</p> <p style="text-align: center;">-----</p>	8

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